

Amendments to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An inventory control device comprising:

a sensor to sense a position of an access device of a data storage system, the access device having an open position and a closed position;

a circuit, communicatively coupled to the sensor, to output a circuit state indicating if the access device was opened while the data storage system was shut down; and

control logic, communicatively coupled to the circuit, to i) upon powering of the data storage system, and if the circuit state indicates the access device was opened, determine a current position of the access device by resetting the circuit and re-obtaining the circuit state, and ii) cause the data storage system to inventory one or more storage locations associated with the access device only if the circuit ~~state indicates~~states indicate the access device was opened, but is now closed.

Claim 2 (original): The device of claim 1, wherein the access device comprises a data storage drawer.

Claim 3 (original): The device of claim 2, wherein the storage locations comprise data cartridge locations within the data storage drawer.

Claims 4 & 5 (canceled)

Claim 6 (original): The device of claim 1, wherein the sensor comprises an optical interrupter.

Claim 7 (currently amended): A method comprising:

obtaining a circuit state from a circuit, the circuit state indicating if an access device of a data storage system was opened while the data storage system was shut down;

upon powering of the data storage system, determining a current position of the access device by obtaining a second circuit state from the circuit; and

causing the data storage system to perform an inventory on one or more storage locations associated with the access device if the circuit state ~~indicates~~states indicate the access device was opened, but is now closed.

Claims 8 & 9 (canceled)

Claim 10 (currently amended): The method of claim ~~[[9]]~~7, wherein determining a current position comprises:

resetting the circuit; and

after resetting the circuit, re-obtaining the circuit state from the circuit, the re-obtained circuit state serving as the second circuit state.

Claim 11 (currently amended): The method of claim 7, ~~wherein causing the data storage system to perform the inventory comprises:~~

~~determining a current position of the access device; and~~

further comprising, if the access device has a current position of open, waiting to perform the inventory until the access device is moved to a closed position.

Claim 12 (original): The method of claim 7, wherein the access device comprises a data storage drawer.

Claim 13 (currently amended): An inventory control device comprising:

sensing means for sensing the position of an access device means of a data storage system means, the access device means having an open position and a closed position;

circuit means communicatively coupled to the sensing means, the circuit means to output a circuit state indicating if the access device means was opened while the data storage system means was shut down; and

logic means communicatively coupled to the circuit means, the logic means to i) upon powering of the data storage system means, and if the circuit state indicates the access device was opened, determine a current position of the access device by resetting the circuit and re-obtaining the circuit state, and ii) cause the data storage system means to inventory one or more storage location means associated with the access device means only if the circuit states indicate the access device means was opened, but is now closed.

Claims 14-16 (canceled)

Claim 17 (new): The device of claim 1, wherein the circuit comprises a single flip-flop to store the circuit state.

Claim 18 (new): The device of claim 3, wherein the sensor comprises an optical interrupter, and wherein the circuit comprises a single flip-flop to store the circuit state.

Claim 19 (new): The method of claim 7, wherein the circuit state and second circuit state are each obtained from a single flip-flop.

Claim 20 (new): The device of claim 13, wherein the access device means comprises a data storage drawer.

Claim 21 (new): The device of claim 20, wherein the storage location means comprises data cartridge locations within the data storage drawer.

Claim 22 (new): The device of claim 13, wherein the sensing means comprises optical interrupt sensing means.

Claim 23 (new): The device of claim 13, wherein the circuit means comprises a single flip-flop to store the circuit state.